Node 1 MDM State Transitional Matrixes

	N1-2 Transition							
Initial N1-1 State	Prim => Off, Diag	Prim => Stdby	Off/Diag => Prim	Stdby => Prim	Stdby => Diag/Off			
Primary	1	1	В	В	D			
Secondary	Α	Α	1	1	3			
Standby	Α	Α	1	1	3			
Diag/Off	2	3	C(TBD)	1	3			

	N1-1 Transition							
Init N1-2 State	Prim => Sec	Prim =>Off/Diag	Prim => Stby	Sec => Off/Diag/Stby	Off/Diag => Prim	Off/Diag/Stby => Sec	Stby => Off/Diag	
Primary	1	1	1	G	1	l	J	
Standby	E	F	F	1	1	1	3	
Diag/Off	3	2	3	1	H(TBD)	1	3	

Δ	C	П	0	N	S

A = Transitioning N1-2 toDgnstc/Stdby/Off from Prim & N1-1 to Prim from Stby/Sec

B = Transitioning N1-2 to Prim from Of gnstc Stby while N1-1 is Prim

C = Transitioning N1-2 to Prim from OfDgnstc while N1-1 is OffDgnstc

D = Transitioning N1-2 toDgnstc fromStby while N1-1 is Prim

E = Transitioning N1-1 to Sec from Prim & N1-2 to Prim from tby

F = Transitioning N1-1 to OffDgnstc/Stby from Prim & N1-2 to Prim fronStby

G = Transitioning N1-1 to OffDgnstc/Stby from Sec while N1-2 is Prim

H = Transitioning N1-1 to Prim from OfDgnstc while N1-2 is OffDgnstc

I = Transitioning N1-1 to Sec from Of Dgnstc/Stby while N1-2 is Prim

J = Transitioning N1-1 to OffDgnstc fromStby while N1-2 is Prim

RESULTING STATES

N1-1=Prim N1-2=Off/Dgnstc/Stby

 N1-1=Sec
 N1-2=Prim

 N1-1=Off/Dgnstc
 N1-2=Prim

 N1-1=Prim
 N1-2=Dgnstc

 N1-1=Sec
 N1-2=Prim

 N1-1=Off/Dgnstc/StbyN1-2=Prim

 N1-1=Off/Dgnstc/Stby N1-2=Prim

N1-1=Prim N1-2=Off/Dgnstc

N1-1=Sec N1-2=Prim

N1-1=Off/Dgnstc N1-2=Prim

Notes:

1 = Illegal States

2 = Operationally Feasible, but will lose both boxes at 2 A.

3 = Unstable States. Feasible, but will automatically go back to the original configuration.